

University of New Mexico

UNM Digital Repository

HSC Covid 19 Briefings

HSC Institutional and Academic Materials

4-8-2020

2020-04-08 DAILY UNM GLOBAL HEALTH COVID-19 BRIEFING

Christophe G. Lambert

Sammy Anyona

Shawn Stoicu

Anastasiya Nestsiarovich

Praveen Kumar

See next page for additional authors

Follow this and additional works at: https://digitalrepository.unm.edu/hsc_covid19_briefings



Part of the [Public Health Commons](#)

Recommended Citation

Lambert, Christophe G.; Sammy Anyona; Shawn Stoicu; Anastasiya Nestsiarovich; Praveen Kumar; Hannah Groves; Danielle Rivera; Estefania Montanez; Rachel D. King; Andrew S. Rowland; Tudor I. Oprea; Orrin Myers; and Douglas J. Perkins. "2020-04-08 DAILY UNM GLOBAL HEALTH COVID-19 BRIEFING." (2020). https://digitalrepository.unm.edu/hsc_covid19_briefings/2

This Brief is brought to you for free and open access by the HSC Institutional and Academic Materials at UNM Digital Repository. It has been accepted for inclusion in HSC Covid 19 Briefings by an authorized administrator of UNM Digital Repository. For more information, please contact amywinter@unm.edu, lsloane@salud.unm.edu, sarahrk@unm.edu.

Authors

Christophe G. Lambert, Sammy Anyona, Shawn Stoicu, Anastasiya Nestsiarovich, Praveen Kumar, Hannah Groves, Danielle Rivera, Estefania Montanez, Rachel D. King, Andrew S. Rowland, Tudor I. Oprea, Orrin Myers, and Douglas J. Perkins

DAILY UNM GLOBAL HEALTH COVID-19 BRIEFING

April 8, 2020

Executive Summary

Call for all UNMH healthcare workers to wear masks. Navajo Nation curfew. Congress introduces \$250B local aid legislation. State cash stimulus for self-employed. Domestic travel curtailment. Measles threat looms as vaccinations paused. UK expanding hospital sites. African Americans worse risk of infection and death. 40k healthcare worker hydroxychloroquine trial. Employment woes for early career US and foreign scientists. Measles threat looms. UK makeshift hospital expansion. African Americans more vulnerable to SARS-CoV-2. Large prophylactic hydroxychloroquine trials for healthcare workers. New CDC and WHO face covering guidelines. **UK NICE guidance: Paracetamol, not NSAIDs for managing COVID-19 fever.** Large review of current therapies. Diverse new clinical trials. Susceptible vs. non-susceptible animal models. Stem cell therapy. Promising experimental drug. Repurposed pancreatic drug trial.

New Mexico Highlights

- [UNMH Physician calls all healthcare workers to wear masks](#)
In ABQ Journal editorial, Dr. Darshan Patel, UNMH Resident Physician, Family and Community Medicine, and member of the Committee of Interns and Residents (CIR)/SEIU, the nation's largest housestaff union, says measures should be taken to prevent the spread by instituting universal masking in health facilities, daily universal temperature and symptom screenings for patients, visitors and employees on the way in and out of these facilities.
- [Navajo Nation plans 57-hour curfew to fend off coronavirus](#)
Navajo Nation President Jonathan Nez, whose roughly 350,000-member tribe has been devastated by 15 deaths from COVID-19 and nearly 400 positive cases, is implementing a 57-hour curfew this weekend in hopes of blunting the disease's spread.
- [Ben Ray Luján unveils \\$250B local government virus aid plan](#)
U.S. Rep. Ben Ray Luján is among a group of federal lawmakers sponsoring a \$250 billion aid package for local governments that he says will help New Mexico brace for the COVID-19 surge. Luján and three other congress members introduced the Coronavirus Community Relief Act on April 7. It would offer billions in stabilization funds for smaller communities.
- [State offers \\$750 cash to 2,000 self-employed New Mexicans](#)
The New Mexico Department of Workforce Solutions is offering a one-time stimulus payment for self-employed New Mexicans affected by the COVID-19 pandemic who qualify. The funds will go to the first 2000 individuals who qualify.]
- [New Mexico Department of Health reports 3 more deaths and 72 new cases of COVID-19](#)
This brings the cumulative total of cases to 865, and deaths to 16 in New Mexico.

US Highlights

- [CDC urges immediate curtailment of non-essential domestic travel in NY, NJ, and CT for 14 days](#)
This Domestic Travel Advisory is effective immediately but does not apply to employees of critical infrastructure industries, including but not limited to trucking, public health professionals, financial services, and food supply.
- [Career and employment disruption for students, early career and foreign scientists](#)
Internships, graduate, postgraduate and academic positions are getting cancelled. Many early career scientists will lose their jobs and those of them who are foreigners might leave the US due to visa expiration.

International Highlights

- [Measles vaccination suspensions amid COVID-19 pandemic are creating conditions for new epidemics](#)
Many countries suspending measles vaccination efforts amid crisis. In 2018, measles cases surged to an estimated 10 million worldwide, with 140,000 deaths, a 58% increase since 2016. Measles death rate estimates in developing countries hovers around 3–6%, and it can spike as high as 30% in the worst outbreaks, according to the WHO. Measles has a reproduction number of 12-18, vs. 2-3 for coronavirus.
- [Military draws up list of 17 temporary hospital sites in the UK](#)
Project Nightingale has expanded planned hospital sites from 10 to 17 to prepare for a further spike in demand for hospital beds nationwide as the pandemic spreads.
- [Lessons from COVID-19 outbreak in China](#)
The Chinese Center for Disease Control and Prevention published the largest case series to date of COVID-19 in mainland China (72 314 cases, updated through February 11, 2020). 62% of cases were confirmed with PCR, 81% cases were "mild". The overall case-fatality rate (CFR) was 2.3%. No deaths were reported among "mild" and "severe" cases. The CFR was 49.0% among "critical" cases. The measures taken to fight the epidemic are described. A major goal of China's current outbreak response is to help "buy time" for science to catch up before COVID-19 becomes too widespread.
- [Data on dynamics of COVID-19 epidemic in China informs lockdown measures in high-risk cities](#)
The study reported the temporal dynamics and characteristics of the COVID-19 epidemic in Huangshi city, China, across the unprecedented intervention. Such new epidemiological inference might provide further guidance on current lockdown measures in high-risk cities and, subsequently, help improve public health intervention strategies against the pandemic on the country and global levels.

Epidemiology Highlights

- [African Americans appear to have higher risks of infection and death](#)
Recent data suggest that African American populations have disproportionately high rates of COVID infection and an even higher proportion of deaths. In New Mexico, our underserved communities may also be at high risk. Federal authorities have been reluctant to share national race-related data. The American Medical Association is calling for all health care providers to collect and report race/ethnicity-specific data on all aspects of COVID-related treatment and outcomes.
- [Chloroquine and hydroxychloroquine trials as COVID-19 PrEP begin with Healthcare workers](#)
Researchers designed a [trial](#) in which 40,000 doctors and nurses in Asia, Africa, and Europe will prophylactically receive chloroquine or hydroxychloroquine, two old drugs against malaria. The study should start this month. This international study is one of several in preparation or underway that seek to use drugs for what is called pre-exposure prophylaxis (PrEP).

Policy, Economics, Workforce, Supply Chain, PPE Highlights

- [NEJM comments on limitations of cotton face masks and new WHO guidance](#)
According to a small study, patients with COVID who coughed into petri dishes with and without masks showed that the masks are not foolproof. [Updated WHO guidelines on face coverings and masks.](#)
- [Updated CDC guidelines for cloth face coverings](#)
The CDC reports that cloth face coverings should cover both the mouth and nose simultaneously, allow a person to breathe through it, be washed after each use, and be worn at all times in public places where social distancing is difficult to maintain.
- [US States are taking the lead in the COVID19 pandemic](#)
Q&A interview with Former Utah Governor and HHS Secretary Mike Leavitt answering the question, what can state governors expect from the feds and from the U.S. Department of Health and Human Services?

Science, Drugs, Therapeutics, Testing Highlights

- [UK healthcare authorities advise against NSAIDs for fever in patients with suspected COVID-19](#)
Paracetamol should be used in preference to non-steroidal anti-inflammatory drugs for managing fever in patients with suspected COVID-19 until more evidence is available on the safety of NSAIDs, the National Institute for Health and Care Excellence advises in a rapid guideline on managing symptoms of covid-19 in the community.
- [Review of Emerging Pharmacotherapy for the Treatment of Coronavirus Disease 2019](#)
This substantial April 8 review summarizes practical considerations for pharmacotherapy in patients with COVID-19, with the intent of serving as a resource for health care providers at the forefront of clinical care during this pandemic.
- [22 New COVID-19 Trials registered today at clinicaltrials.gov](#)
Treatment trials: tranexamic acid, CAP-1002 allogeneic cardiosphere-derived cells, nitric oxide gas, ruxolitinib, COVID-19 convalescent plasma, dis/continuation of ARB/ACEI, hydroxychloroquine, oseltamivir, azithromycin, ozone therapy, camostat mesilate + hydroxychloroquine. At time of writing, a total of 383 were active, 23 completed, and 3 posted results.
- [Animal models for SARS-CoV-2 to support experimental research](#)
SARS-CoV-2 replicates poorly in dogs, pigs, chickens, and ducks, but ferrets and cats are permissive to infection. Cats are susceptible to airborne infection.
- [Mesenchymal Stem Cell Infusion Shows Promise for Coronavirus \(COVID-19\)- Induced Pneumonia](#)
Intravenous administration of clinical-grade human mesenchymal stem cells (MSCs) into seven patients with COVID-19 resulted in improved functional outcomes and facilitated recovery.
- [Experimental drug EIDD-2801 shows promise against SARS-CoV-2 in animal models](#)
The drug, called EIDD-2801 was able to hinder the COVID-19 coronavirus as it attempted to replicate itself in human lung cells in test tubes, scientists reported Monday. It also hampered closely related coronaviruses from reproducing in mice for several days and improved their lung functions.
- [Danish trial begins for a pancreatic drug camostat mesylate to treat COVID-19](#)
The drug is already licensed in Japan and South Korea to treat pancreatitis. The trials began on April 3rd 2020.

Contributing team members: Christophe G. Lambert, Sammy Anyona, Shawn Stoicu, Anastasiya Nestsiarovich, Praveen Kumar, Nicolas Lauve, Hannah Groves, Danielle Rivera, Estefania Montanez, Rachel D. King, Andrew Rowland, Tudor I. Oprea, Orrin Myers, Douglas J. Perkins.